

0001

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 025-21112-0002 **ORIGINAL**

County Clark

W/2-SE -SE - Sec. 24 Twp. 31 Rge. 22 E W

660 Feet from (S)N (circle one) Line of Section

990 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name Kelly "OWWO" Well # 24-16

Field Name Unnamed

Producing Formation None Viola

Elevation: Ground 2076' KB _____

Total Depth 6900' PBDT 6290

Amount of Surface Pipe Set and Cemented at 642 Feet

Multiple Stage Cementing Collar Used? _____ Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REENTRY JH 10-16-96
(Data must be collected from the Reserve Pit)

Chloride content 3100 ppm Fluid volume 9200 bbls

Dewatering method used No

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 31229

Name: DLB Oil & Gas Inc

Address 1601 N.W. Expressway
Suite 700

City/State/Zip Oklahoma City, OK 73118-1401

Purchaser: N/A

Operator Contact Person: Stephen D. Adams

Phone (405) 848-8808

Contractor: Name: Eagle Drilling Inc.

License: 5380

Wellsite Geologist: David Hickman

Designate Type of Completion
____ New Well Re-Entry _____ Workover

Oil _____ SWD _____ SIOH Temp. Abd.
____ Gas _____ ENHR _____ SIGW
____ Dry _____ Other (Core, _____ Expl., Cathodic, etc)

If Workover:

Operator: DLB Oil & Gas

Well Name: Kelly

Comp. Date 8/23/94 Old Total Depth 6900'

____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
____ Plug Back _____ PBDT
____ Commingled _____ Docket No. _____
____ Dual Completion _____ Docket No. _____
____ Other (SWD or Inj?) _____ Docket No. _____

12-6-94 2-5-95
10/12/95 10/25/95
Date of REENTRY Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Vice President, Operations Date 7/24/96

Subscribed and sworn to before me this 24th day of July, 19 96.

Notary Public Robin Morton

Date Commission Expires 6/3/97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

DENIED
JH
10-16-96

RECEIVED
KANSAS CORPORATION COMMISSION

Form ACO-1 (7-91)

JUL 25 1996
7-25-1996
CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name DLB Oil & Gas Inc Lease Name Kelly Well # 24-16
 Sec. 24 Twp. 315 Rge. 22 East County Clark
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4160	2071
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lansing	4343	2254
List All E.Logs Run:		Cherokee	4960	2871
		Mississippi	5078	2989
		Simpson	6291	4202
		Arbuckle	6367	4278
		TD	6900	4811

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8.625"	24#	642'	Class A	325	3%CaCl ₂ , 2% gel
production	7 7/8"	5.5"	15.5#	6,290	Class "H"	325	10% salt 10% thixad

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	4	6140-6160	[Viola]	2500 gals 15% HCL + 144.5 Mcf of N ₂ gas

TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size	Set At	Packer At			
2.375"	6081	6050			
Date of First, Resumed Production, SMD or Inj. N/A			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> swabbing Other (Explain)		
Estimated Production Per 24 Hours	Oil 5 Bbls.	Gas 0 Mcf	Water 80 Bbls.	Gas-Oil Ratio N/A	Gravity 42°

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 6140' - 6160'

ORIGINAL

15025 2112 0002

DST REPORT

GENERAL INFORMATION

DATE : 8/18/94	TICKET : 20522
CUSTOMER : DLB OIL & GAS	LEASE : KELLY
WELL : #24-16 TEST: 1	GEOLOGIST: HICKMAN
ELEVATION: 2076 GL	FORMATION: VIOLA
SECTION : 24	TOWNSHIP : 31S
RANGE : 22W COUNTY: CLARK	STATE : KS
GAUGE SN#: 1566 RANGE : 4300	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 6143.00 ft TO: 6173.00 ft TVD: 6173.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 6146.0 ft 6173.0 ft
 TEMPERATURE: 138.0

DRILL COLLAR LENGTH: 500.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 5612.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 31.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 30.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 6138.0 ft	SIZE:	6.630 in
PACKER DEPTH: 6143.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : EAGLE	VISCOSITY : 49.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 8.000 cc
WEIGHT : 9.300 ppg	SERIAL NUMBER: 405
CHLORIDES : 5600 ppm	REVERSED OUT?: NO
JARS-MAKE : WTC	
DID WELL FLOW?: NO	

COMMENTS

Comment

SURFACE BLOW - SLOWLY INCREASING TO 4 1/2 INCHES ON BOTH FLOW PERIODS.

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 25 1996

CONSERVATION DIVISION
WICHITA, KS

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	1.0	0.0	0.0	99.0	SLIGHTLY OIL CUT MUD
120.0	1.0	0.0	80.0	19.0	SL. OIL CUT MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 73000 PPM

RATE INFORMATION

OIL VOLUME:	0.0089 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	4.8373 STB/D
MUD VOLUME:	0.4042 STB	AVERAGE WATER RATE:	9.3250 STB/D
WATER VOLUME:	0.4721 STB		
TOTAL FLUID :	0.8851 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3173.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	140.00	97.00
INITIAL SHUT-IN	60.00		1939.00
FINAL FLOW	60.00	162.00	140.00
FINAL SHUT-IN	120.00		1949.00

FINAL HYDROSTATIC PRESSURE: 3205.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3157.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	138.00	92.00
INITIAL SHUT-IN	57.00		1839.00
FINAL FLOW	60.00	159.00	136.00
FINAL SHUT-IN	120.00		1969.00

FINAL HYDROSTATIC PRESSURE: 3234.00

ft

PRESSURE TRANSIENT REPORT

ORIGINAL

GENERAL INFORMATION

DATE : 8/18/94	TICKET : 20522
CUSTOMER : DLB OIL & GAS	LEASE : KELLY
WELL : #24-16	TEST: 1
ELEVATION: 2076 GL	GEOLOGIST: HICKMAN
SECTION : 24	FORMATION: VIOLA
RANGE : 22W	COUNTY: CLARK
GAUGE SN#: 1566	RANGE : 4300
	TOWNSHIP : 31S
	STATE : KS
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	138.00	138.00
5.00	116.00	-22.00
10.00	101.00	-15.00
15.00	97.00	-4.00
20.00	95.00	-2.00
25.00	92.00	-3.00
30.00	92.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	131.00	131.00	11.00
6.00	276.00	145.00	6.00
9.00	791.00	515.00	4.33
12.00	1349.00	558.00	3.50
15.00	1508.00	159.00	3.00
18.00	1573.00	65.00	2.67
21.00	1618.00	45.00	2.43
24.00	1661.00	43.00	2.25
27.00	1689.00	28.00	2.11
30.00	1715.00	26.00	2.00
33.00	1739.00	24.00	1.91
36.00	1754.00	15.00	1.83
39.00	1772.00	18.00	1.77
42.00	1785.00	13.00	1.71
45.00	1797.00	12.00	1.67
48.00	1809.00	12.00	1.63
51.00	1819.00	10.00	1.59
54.00	1830.00	11.00	1.56
57.00	1839.00	9.00	1.53

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	159.00	159.00
5.00	146.00	-13.00
10.00	138.00	-8.00
15.00	131.00	-7.00
20.00	129.00	-2.00
25.00	128.00	-1.00
30.00	127.00	-1.00
35.00	127.00	0.00
40.00	128.00	1.00
45.00	129.00	1.00
50.00	131.00	2.00
55.00	134.00	3.00
60.00	136.00	2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	181.00	181.00	21.00
6.00	304.00	123.00	11.00
9.00	598.00	294.00	7.67
12.00	1070.00	472.00	6.00
15.00	1390.00	320.00	5.00
18.00	1525.00	135.00	4.33
21.00	1586.00	61.00	3.86
24.00	1635.00	49.00	3.50
27.00	1670.00	35.00	3.22
30.00	1700.00	30.00	3.00
33.00	1731.00	31.00	2.82
36.00	1752.00	21.00	2.67
39.00	1776.00	24.00	2.54
42.00	1795.00	19.00	2.43
45.00	1813.00	18.00	2.33
48.00	1830.00	17.00	2.25
51.00	1841.00	11.00	2.18
54.00	1847.00	6.00	2.11
57.00	1859.00	12.00	2.05
60.00	1867.00	8.00	2.00
63.00	1874.00	7.00	1.95
66.00	1882.00	8.00	1.91
69.00	1897.00	15.00	1.87
72.00	1906.00	9.00	1.83
75.00	1913.00	7.00	1.80

FLUID SAMPLE REPORT

ORIGINAL

GENERAL INFORMATION

DATE : 8/18/94	TICKET : 20522
CUSTOMER : DLB OIL & GAS	LEASE : KELLY
WELL : #24-16 TEST: 1	GEOLOGIST: HICKMAN
ELEVATION: 2076 GL	FORMATION: VIOLA
SECTION : 24	TOWNSHIP : 31S
RANGE : 22W COUNTY: CLARK	STATE : KS
GAUGE SN#: 1566 RANGE : 4300	CLOCK : 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	80.00 PSIG	BHT:	138.0 DEG F
TOTAL VOLUME OF SAMPLER:	3000.00 cc		
TOTAL VOLUME OF SAMPLE:	2500.00 cc		
OIL:	25.00 cc		
WATER:	1725.00 cc		
MUD:	750.00 cc		
GAS:	0.00 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD: .075 @ 65 DEGREES F	CHLORIDE CONTENT: 73000.00 ppm
MUD PIT SAMPLE: .75 @ 60 DEGREES F	CHLORIDE CONTENT: 5600.00 ppm
GAS/OIL RATIO:	GRAVITY:
WHERE WAS SAMPLE DRAINED: RIG FLOOR	
REMARKS:	

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
78.00	1917.00	4.00	1.77
81.00	1926.00	9.00	1.74
84.00	1930.00	4.00	1.71
87.00	1934.00	4.00	1.69
90.00	1939.00	5.00	1.67
93.00	1943.00	4.00	1.65
96.00	1946.00	3.00	1.63
99.00	1949.00	3.00	1.61
102.00	1952.00	3.00	1.59
105.00	1954.00	2.00	1.57
108.00	1956.00	2.00	1.56
111.00	1959.00	3.00	1.54
114.00	1962.00	3.00	1.53
117.00	1965.00	3.00	1.51
120.00	1969.00	4.00	1.50

DA
CU
WE
EL
SE
RA
GA

TO
T

MU
G
WH
RE

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 2315

9-23-94

Date	8-22-94	Sec.	24	Twp.	31	Range	22	Called Out	2 3/8 PM	On Location	6 PM	Job Start	7 PM	Finish	3 1/2 PM																													
Case	Kelly	Well No.	24-16			Location	Bucklin 14 1/2 S 3 W 1/2 into Clark			County	Clark	State	KS																															
Contractor	Eagle Drilling R/S #1					Owner	SAME ORIGINAL																																					
Type Job	Rotary Plug					To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.																																						
Log Size	T.D. 6900 ft					Charge To	D.L.B. Oil & Gas Inc.																																					
Log	8 1/2					Depth	1601 NW Expressway Suite 700																																					
Log Size	4 1/2					Depth	City Okla. City State OK. 73118																																					
Drill Pipe	6396 ft					The above was done to satisfaction and supervision of owner agent or contractor.																																						
Tool	Shoe Joint					Purchase Order No.	X [Signature]																																					
Cement Left in Csg.	Minimum					CEMENT																																						
Press Max.	Displace					Amount Ordered	175 1/2 67 gal																																					
Seas Line	EQUIPMENT					Consisting of	<table border="1"> <tr> <td>Common</td> <td>105</td> <td>5.75</td> <td>603.75</td> </tr> <tr> <td>Poz. Mix</td> <td>70</td> <td>3.00</td> <td>210.00</td> </tr> <tr> <td>Gel.</td> <td>9</td> <td>9.00</td> <td>81.00</td> </tr> <tr> <td>Chloride</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quickset</td> <td></td> <td></td> <td></td> </tr> </table>									Common	105	5.75	603.75	Poz. Mix	70	3.00	210.00	Gel.	9	9.00	81.00	Chloride				Quickset												
Common	105	5.75	603.75																																									
Poz. Mix	70	3.00	210.00																																									
Gel.	9	9.00	81.00																																									
Chloride																																												
Quickset																																												
Test.	<table border="1"> <tr> <td>No.</td> <td>Cementer</td> <td>Mike</td> </tr> <tr> <td>120</td> <td>Helper</td> <td>Duane</td> </tr> <tr> <td>No.</td> <td>Cementer</td> <td></td> </tr> <tr> <td></td> <td>Helper</td> <td></td> </tr> <tr> <td></td> <td>Driver</td> <td>Rick</td> </tr> <tr> <td>No.</td> <td>Driver</td> <td></td> </tr> </table>					No.	Cementer	Mike	120	Helper	Duane	No.	Cementer			Helper			Driver	Rick	No.	Driver		<table border="1"> <tr> <td>Handling</td> <td>175</td> <td>1.00</td> <td>175.00</td> </tr> <tr> <td>Mileage</td> <td>25</td> <td></td> <td>175.00</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>1244.75</td> </tr> </table>									Handling	175	1.00	175.00	Mileage	25		175.00	Total			1244.75
No.	Cementer	Mike																																										
120	Helper	Duane																																										
No.	Cementer																																											
	Helper																																											
	Driver	Rick																																										
No.	Driver																																											
Handling	175	1.00	175.00																																									
Mileage	25		175.00																																									
Total			1244.75																																									

DEPTH of Job	6396 ft
Reference:	Pump Truck Charge 1328.00
	25 Mileage Charge 56.25
	1328.00
	56.25
	Total 1384.25

Remarks: Mix 40 gal at 6396 ft Displace of it with mud
 Mix 50 gal at 1130 ft Displace with water
 Mix 50 gal at 670 ft Displace with water
 Mix 10 gal at 40 ft Displace with water
 Mix 15 gal at 20 ft Displace with water
 Mix 10 gal at 10 ft Displace with water
 Allied Cementing Co. [Signature]

Thank you so

RECEIVED
 KANSAS CORPORATION COMMISSION

AUG 12 1996

CONSERVATION DIVISION
 WICHITA, KS

TOTAL \$ 2629.00
 Disc 525.80
 \$ 2103.20

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 2315

9-23-94

Date	4-22-94	Sec.	24	Twp.	31	Range	22	Called Out	2:30 PM	On Location	6:30 PM	Job Start	7:00 PM	Finish	1:30 PM
Lease	Kelly	Well No.	24-16	Location	Bucklin	1 1/2 S 3 1/2 W into Clark			County	Clark	State	KS			

Contractor	Eagle Drilling R/S #1
Type Job	Rotary Plug
Hole Size	T.D. 6900 ft
Log Size	8 in
Drill Pipe	4 1/2 in
Tool	Depth 6396 ft
Cement Left in Csg.	Shoe Joint
Press Man	Minimum
Meas Like	Displace
Perf.	

Owner	SAME ORIGINAL
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	D. L. B. Oil & Gas Inc.
Street	1601 NW Expressway Suite 700
City	Okla. City State OK. 73118
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>[Signature]</i>
CEMENT	
Amount Ordered	175 cu 67 gal

EQUIPMENT

No.	Cementor	<i>Mike</i>
Pumpjack 120	Helper	<i>Diana</i>
No.	Cementor	
Pumpjack	Helper	
	Driver	<i>Rick</i>
Bulkhead 101	Driver	

Consisting of			
Common	105	5.75	603.75
Poz. Mix	70	3.00	210.00
Gel.	9	9.00	81.00
Chloride			
Quickset			
Handling	175	1.00	175.00
Mileage	25		175.00
<i>Thank you</i>			
<i>1500</i>			
<i>60</i>			
Total			1244.75

DEPTH of Job	6396 ft
Reference	Pump Truck Charge 1328.00
	25 Mileage Charge 56.25
	1000
	20
	Total 1384.25

Remarks: Mix 40 gal at 6396 ft Displace of it with mud.

Mix 50 gal at 1130 ft Displace with water

Mix 50 gal at 670 ft Displace with water

Mix 10 gal at 40 ft Displace with water

Mix 15 gal at 100 ft Displace

Mix 10 gal at 100 ft Displace

Allied Cementing Co. Bruce Munnich

Floating Equipment	
TOTAL \$ 2629.00	
RECEIVED 525.80	
KANSAS CORPORATION COMMISSION	
AUG 16 1996 \$ 2103.20	
CONSERVATION DIVISION WICHITA, KS	

Date 8-27-94 District 213 Ticket No. 2215
 Company P. B. oil & Gas Rig Eagle Drilling
 Lease Wally Well No. 24-16
 County Clark 24-31-22 State K.S.
 Location Bucklin 14 1/2 S 34 W 20 N

CEMENT DATA:

Spacer Type: _____
 Amt _____ Skys Yield _____ ft³/sk Density _____ PPG

175 6 1/2 6 7/8

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt _____ Skys Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls

Pump Trucks Used Quinn S. 120

Bulk Equip. Rock w. 101

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight _____ Collar _____

Plug Thread 4 1/2 Drill Pipe
 Running Depths: Top 6396 ft Bottom 6900 ft

Drill Pipe: Size 4 1/2 Weight 16.6 Collars _____
 Open Hole: Size 7 1/2 T.D. 6900 ft P.B. to _____ ft

CAPACITY FACTORS
 Casing Bbls/Lin. ft _____ Lin. ft./Bbl _____
 Open Holes: Bbls/Lin. ft _____ Lin. ft./Bbl _____
 Drill Pipe: Bbls/Lin. ft _____ Lin. ft./Bbl _____
 Annulus: Bbls/Lin. ft _____ Lin. ft./Bbl _____
 Bbls/Lin. ft _____ Lin. ft./Bbl _____
 Perforations: From _____ ft to _____ ft. Amt _____

ORIGINAL
 Float Equip. Manufacturer _____
 Shoe Type _____ Depth _____
 Float Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top 0000 Btm. 40
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Water Amt _____ Bbls Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
<u>6:20 AM</u>	<u>8</u>	<u>20</u>				<u>gallon location. Made safety marks</u> <u>Rig up Pump Truck</u> <u>Rig was still hoisting down pipe</u>
<u>7:00 AM</u>						<u>Start The Job</u> <u>Mix 40 sacks at 6396 ft</u> <u>Displace it down with mud</u> <u>mix 50 sacks at 430 ft</u> <u>Displace it down with water</u> <u>mix 50 sacks at 670 ft</u> <u>Displace it down with water</u> <u>mix 10 sacks at 40 ft</u> <u>mix 15 sacks in Ret. Hole</u> <u>mix 10 sacks in mouse hole</u>
<u>1:30 PM</u>						<u>Job Done</u> <u>Wash up Pump Truck</u> <u>Rig Down</u>

KANSAS CORPORATION COMMISSION

AUG 16 1996

CONSERVATION DIVISION
 WICHITA, KS



THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

ORIGINAL

CUSTOMER DIP			DATE 12-6-94	F.R.# 304263	SER. SUP Griffith	TYPE JOB B/S							
LEASE # WELL NAME OCSG Kely			LOCATION Sec. 24-31S-22W			COUNTY-PARISH-BLOCK Clarke Co. KS							
DISTRICT Woodward		DRILLING CONTRACTOR RIG # Eagle			OPERATOR Same								
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS	LIST-CSG-HARDWARE			SO MANI FOLD	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP ENX	Guide Shoe Float Collar/AFU	10-Turbolizers		XX N		SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	BW SLURRY	BW MIX WATER	
	10 Bbls. WMW-1										10.0	10.0	
	325 sks. H + 10% Salt + 10% Thixad					4800	14.8	1.53	7.0		88.5	.54	
Available Mix Water 300 Bbl.		Available Displ. Fluid 235 Bbl.			TOTAL		98.5	64					
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	FLOAT	STAGE
7 7/8		6300				5 1/2	15.5			6295.5	6295	6251	
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	STM	SIZE	THREAD	TYPE	WGT.	
8 5/8	24		500						5 1/2	8°	Mud	9.2	
CAL DISPL VOL-Bbl.			CAL PSI	CAL MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL FLUID		WATER	
TBG.	CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	50 PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE
			148.8	148.8							T. H ₂ O	8.3	Rig
EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG. ETC. PRIOR TO CEMENTING.													
Displacement containing 1 gal/1000 yds. Claysear TIC													
PRESSURE/RATE DETAIL						EXPLANATION							
TIME	PRESSURE-PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input type="checkbox"/>							
HR: MIN.	PIPE	ANNULUS	EPM	PUMPED	TYPE	TEST LINES 1300 PSI							
						CIRCULATING WELL-RIG <input checked="" type="checkbox"/> WPS <input type="checkbox"/>							
9:57	300		6.8	10.0	WMW-1	Test Lines & Start WMW-1							
10:00	200		7.0	88.5	Cem.	Start Cement							
10:15	0				Cem.	Shut Down - Clean Pumps & Lines & Drop Plug							
10:19	1000		3.2	148.8	T. H ₂ O	Start Displacement							
10:41	1500		0	148.8	T. H ₂ O	Bump Plug							
10:41	0					Bleed Back - Float Held							
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. R. Griffith						
Y XX	1500	Y XX	257.3	--	--	4800	CUSTOMER REP. I. Davis						

RECEIVED
 KANSAS CORP. OIM
 OCT 14 11:59 AM '96

WONA-1552 (6/90)

** TOTAL PAGE.004 **

Production casing Cementing Ticket on the Kelly #24-16

09/04/96 WED 16:17 [TX/RX NO 6287]